

EASys 110678702.wsp 41

File View List Window Help

Active

- L1: (9914) "GPR" or ((ground adj penetrating) and radar)
- L2: (81659) radar
- L3: (545) 1 and 2
- L4: (207917) marker
- L5: (40) 3 and 4
- L6: (1789504) optical
- L7: (19) 5 and 6
- L8: (21) 5 not 7
- L9: (342/22) or (342/27) or (342/52) or (342/54) or (342/179) or (342/190) or (342/192) or (342/242) or (342/243) or (342/244) or (342/245) or (342/246) or (342/247) or (342/248) or (342/249) or (342/250) or (342/251) or (342/252) or (342/253) or (342/254) or (342/255) or (342/256) or (342/257) or (342/258) or (342/259) or (342/260) or (342/261) or (342/262) or (342/263) or (342/264) or (342/265) or (342/266) or (342/267) or (342/268) or (342/269) or (342/270) or (342/271) or (342/272) or (342/273) or (342/274) or (342/275) or (342/276) or (342/277) or (342/278) or (342/279) or (342/280) or (342/281) or (342/282) or (342/283) or (342/284) or (342/285) or (342/286) or (342/287) or (342/288) or (342/289) or (342/290) or (342/291) or (342/292) or (342/293) or (342/294) or (342/295) or (342/296) or (342/297) or (342/298) or (342/299) or (342/300) or (342/301) or (342/302) or (342/303) or (342/304) or (342/305) or (342/306) or (342/307) or (342/308) or (342/309) or (342/310) or (342/311) or (342/312) or (342/313) or (342/314) or (342/315) or (342/316) or (342/317) or (342/318) or (342/319) or (342/320) or (342/321) or (342/322) or (342/323) or (342/324) or (342/325) or (342/326) or (342/327) or (342/328) or (342/329) or (342/330) or (342/331) or (342/332) or (342/333) or (342/334) or (342/335) or (342/336) or (342/337) or (342/338) or (342/339) or (342/340) or (342/341) or (342/342) or (342/343) or (342/344) or (342/345) or (342/346) or (342/347) or (342/348) or (342/349) or (342/350) or (342/351) or (342/352) or (342/353) or (342/354) or (342/355) or (342/356) or (342/357) or (342/358) or (342/359) or (342/360) or (342/361) or (342/362) or (342/363) or (342/364) or (342/365) or (342/366) or (342/367) or (342/368) or (342/369) or (342/370) or (342/371) or (342/372) or (342/373) or (342/374) or (342/375) or (342/376) or (342/377) or (342/378) or (342/379) or (342/380) or (342/381) or (342/382) or (342/383) or (342/384) or (342/385) or (342/386) or (342/387) or (342/388) or (342/389) or (342/390) or (342/391) or (342/392) or (342/393) or (342/394) or (342/395) or (342/396) or (342/397) or (342/398) or (342/399) or (342/400) or (342/401) or (342/402) or (342/403) or (342/404) or (342/405) or (342/406) or (342/407) or (342/408) or (342/409) or (342/410) or (342/411) or (342/412) or (342/413) or (342/414) or (342/415) or (342/416) or (342/417) or (342/418) or (342/419) or (342/420) or (342/421) or (342/422) or (342/423) or (342/424) or (342/425) or (342/426) or (342/427) or (342/428) or (342/429) or (342/430) or (342/431) or (342/432) or (342/433) or (342/434) or (342/435) or (342/436) or (342/437) or (342/438) or (342/439) or (342/440) or (342/441) or (342/442) or (342/443) or (342/444) or (342/445) or (342/446) or (342/447) or (342/448) or (342/449) or (342/450) or (342/451) or (342/452) or (342/453) or (342/454) or (342/455) or (342/456) or (342/457) or (342/458) or (342/459) or (342/460) or (342/461) or (342/462) or (342/463) or (342/464) or (342/465) or (342/466) or (342/467) or (342/468) or (342/469) or (342/470) or (342/471) or (342/472) or (342/473) or (342/474) or (342/475) or (342/476) or (342/477) or (342/478) or (342/479) or (342/480) or (342/481) or (342/482) or (342/483) or (342/484) or (342/485) or (342/486) or (342/487) or (342/488) or (342/489) or (342/490) or (342/491) or (342/492) or (342/493) or (342/494) or (342/495) or (342/496) or (342/497) or (342/498) or (342/499) or (342/500) or (342/501) or (342/502) or (342/503) or (342/504) or (342/505) or (342/506) or (342/507) or (342/508) or (342/509) or (342/510) or (342/511) or (342/512) or (342/513) or (342/514) or (342/515) or (342/516) or (342/517) or (342/518) or (342/519) or (342/520) or (342/521) or (342/522) or (342/523) or (342/524) or (342/525) or (342/526) or (342/527) or (342/528) or (342/529) or (342/530) or (342/531) or (342/532) or (342/533) or (342/534) or (342/535) or (342/536) or (342/537) or (342/538) or (342/539) or (342/540) or (342/541) or (342/542) or (342/543) or (342/544) or (342/545) or (342/546) or (342/547) or (342/548) or (342/549) or (342/550) or (342/551) or (342/552) or (342/553) or (342/554) or (342/555) or (342/556) or (342/557) or (342/558) or (342/559) or (342/560) or (342/561) or (342/562) or (342/563) or (342/564) or (342/565) or (342/566) or (342/567) or (342/568) or (342/569) or (342/570) or (342/571) or (342/572) or (342/573) or (342/574) or (342/575) or (342/576) or (342/577) or (342/578) or (342/579) or (342/580) or (342/581) or (342/582) or (342/583) or (342/584) or (342/585) or (342/586) or (342/587) or (342/588) or (342/589) or (342/590) or (342/591) or (342/592) or (342/593) or (342/594) or (342/595) or (342/596) or (342/597) or (342/598) or (342/599) or (342/600) or (342/601) or (342/602) or (342/603) or (342/604) or (342/605) or (342/606) or

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9914	"GPR" or ((ground adj penetrating) and radar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 09:56
L2	81659	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 09:56
L3	545	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 09:57
L4	207917	marker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 09:57
L5	40	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 09:57
L6	1789504	optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 09:58
L7	19	5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 10:02
L8	21	5 not 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 10:08

L9	5707	((342/22) or (342/27) or (342/52) or (342/54) or (342/179) or (342/190) or (342/192) or (342/450) or (342/452) or (342/459) or (342/463) or (436/147) or (436/173) or (336/232) or (324/242) or (324/243) or (324/326) or (324/345) or (340/870.32)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/01/06 10:15
L10	4366	9 and @ad<="20031003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 10:16

SEARCH NOTES FOR EAST AND IEEE

SERIAL NUMBER

10678702

EAST: search history attached

Search terms:

ground <and> penetrating <and> radar <and> optical

1 Directional borehole radar with dipole antenna array using optical modulators

Ebihara, S.;

Geoscience and Remote Sensing, IEEE Transactions on , Volume: 42 , Issue: 1 , Jan. 2004

Pages:45 - 58

2 A novel method for clutter reduction in the FLGPR measurements

Hu Jin-feng; Zhou Zheng-ou;

Communications, Circuits and Systems, 2004. ICCAS 2004. 2004 International Conference on , Volume: 2 , 27-29 June 2004

Pages:896 - 900 Vol.2

3 Simulation of radar scattering from electrically large objects under tree canopies

Dehmollaian, M.; Il-Suek Koh; Sarabandi, K.;

Antennas and Propagation Society Symposium, 2004. IEEE , Volume: 4 , 20-25 June 2004

Pages:3852 - 3855 Vol.4

4 A GPR system using a broadband passive optical sensor for land mine detection

Tanaka, R.; Sato, M.;

Ground Penetrating Radar, 2004. GPR 2004. Proceedings of the Tenth International Conference on , Volume: 1 , 21-24 June 2004

Pages:171 - 174

5 Microwave remote sensing research at the ElectroScience laboratory

Johnson, J.T.;

Antennas and Propagation Society International Symposium, 2003. IEEE , Volume: 4 , 22-27 June 2003

Pages:598 - 601 vol.4

6 A new diffraction tomography algorithm for ground penetrating radar

Hislop, G.; Tee Tang;

Geoscience and Remote Sensing Symposium, 2003. IGARSS '03. Proceedings. 2003 IEEE International , Volume: 7 , 21-25 July 2003

Pages:4151 - 4153 vol.7

7 Bistatic GPR system for landmine detection using optical electric field

Sato, M.;

Antennas and Propagation Society International Symposium, 2003. IEEE , Volume: 2 , 22-27 June 2003

Pages:207 - 210 vol.2

- 8 Proceedings of the 2nd International Workshop on Advanced Ground Penetrating Radar (IEEE Cat. No.03EX680)**
Advanced Ground Penetrating Radar, 2003. Proceedings of the 2nd International Workshop on , 14-16 May 2003
- 9 A new bistatic GPR system using a passive optical sensor for landmine detection**
Sato, M.;
Advanced Ground Penetrating Radar, 2003. Proceedings of the 2nd International Workshop on , 14-16 May 2003
Pages:164 - 167
- 10 Focused Gaussian beams in the problem of holographic imaging**
Popov, A.V.; Vinogradov, V.A.;
Antennas and Propagation, IEEE Transactions on , Volume: 50 , Issue: 9 , Sept. 2002
Pages:1236 - 1244
- 11 Multiple scattering simulations for the Japanese space lidar project ELISE**
Volger, P.; Zhaoyan Liu; Sugimoto, N.;
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 40 , Issue: 3 , March 2002
Pages:550 - 559
- 12 State of the art in sensor technologies for sewer inspection**
Duran, O.; Althoefer, K.; Seneviratne, L.D.;
Sensors Journal, IEEE , Volume: 2 , Issue: 2 , April 2002
Pages:73 - 81
- 13 Classification of LIDAR data using a lower envelope follower and gradient-based operator**
Weed, C.A.; Crawford, M.M.; Neuenschwander, A.L.; Gutierrez, R.;
Geoscience and Remote Sensing Symposium, 2002. IGARSS '02. 2002 IEEE International , Volume: 3 , 24-28 June 2002
Pages:1384 - 1386 vol.3
- 14 Forest stem volume estimation using high-resolution lidar and SAR data**
Smith, G.; Persson, A.; Hohmgren, J.; Hallberg, B.; Fransson, J.E.S.; Ulander, L.M.H.;
Geoscience and Remote Sensing Symposium, 2002. IGARSS '02. 2002 IEEE International , Volume: 4 , 24-28 June 2002
Pages:2084 - 2086 vol.4
- 15 Comparison of SAR and optical images of the rainforests of Borneo, Malaysia with field data**
Ouchi, K.; Ipor, I.B.;
Geoscience and Remote Sensing Symposium, 2002. IGARSS '02. 2002 IEEE International , Volume: 5 , 24-28 June 2002
Pages:2905 - 2907 vol.5
- 16 A 3-D imaging method using cross-traverse data for ground-penetrating radar**
Anxue, J.; Yansheng, J.; Wenbing, W.;

Microwave and Millimeter Wave Technology, 2002. Proceedings. ICMMT 2002. 2002
3rd International Conference on , 17-19 Aug. 2002
Pages:476 - 479

17 A microwave sensor for agricultural implements

Rouveure, R.; Monod, M.-O.; Faure, P.; Chanet, M.;
Geoscience and Remote Sensing Symposium, 2002. IGARSS '02. 2002 IEEE
International , Volume: 5 , 24-28 June 2002
Pages:3020 - 3022 vol.5

18 3-D short pulse scattering by moderately rough dielectric interfaces via quasi-ray Gaussian beams

Galdi, V.; Felsen, L.B.; Castanon, D.A.;
Antennas and Propagation Society International Symposium, 2002. IEEE , Volume: 4
, 16-21 June 2002
Pages:252 - 255 vol.4

19 An analytical model for studies of soil modification effects on ground penetrating radar

Jenwatanavet, J.; Johnson, J.T.;
Antennas and Propagation, IEEE Transactions on , Volume: 49 , Issue: 6 , June 2001
Pages:923 - 933

20 Multi-aspect detection of surface and shallow-buried unexploded ordnance via ultra-wideband synthetic aperture radar

Yanting Dong; Runkle, P.R.; Carin, L.; Damarla, R.; Sullivan, A.; Ressler, M.A.;
Sichina, J.;
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 39 , Issue: 6 , June 2001
Pages:1259 - 1270

21 Ground penetrating radar imaging of buried metallic objects

Polat, B.; Meincke, P.;
Antennas and Propagation Society International Symposium, 2001. IEEE , Volume: 4
, 8-13 July 2001
Pages:264 - 267 vol.4

22 A statistical approach to rough surface underground imaging

Haihua Feng; Castanon, D.A.; Darl, W.C.;
Image Processing, 2000. Proceedings. 2000 International Conference on , Volume: 1
, 10-13 Sept. 2000
Pages:705 - 708 vol.1

23 Optical modeling of microwave scattering from objects buried in dielectric media with rough surfaces

Freilikher, V.; Kaganovskii, Yu.; Rosenbluh, M.; Blumberg, D.;
Geoscience and Remote Sensing Symposium, 2000. Proceedings. IGARSS 2000. IEEE
2000 International , Volume: 1 , 24-28 July 2000
Pages:35 - 37 vol.1

24 The third eye approach to innovative designs and applications: human recognition system by nonlinear oscillations

Oka, S.; Takefuji, Y.; Huang, W.;

Intelligent Processing and Manufacturing of Materials, 1999. IPMM '99. Proceedings of the Second International Conference on , Volume: 2 , 10-15 July 1999
Pages:1277 - 1283 vol.2

25 Underground imaging based on edge-preserving regularization

Feng, H.; Castanon, D.A.; Karl, W.C.;

Information Intelligence and Systems, 1999. Proceedings. 1999 International Conference on , 31 Oct.-3 Nov. 1999
Pages:460 - 464

26 A PML-FDTD algorithm for general dispersive media in GPR and plasma applications

Fan, G.-X.; Liu, Q.H.;

Antennas and Propagation Society International Symposium, 1998. IEEE , Volume: 4 , 21-26 June 1998
Pages:2014 - 2017 vol.4

27 IGARSS '98. Sensing and Managing the Environment. 1998 IEEE International Geoscience and Remote Sensing. Symposium Proceedings. (Cat. No.98CH36174)

Geoscience and Remote Sensing Symposium Proceedings, 1998. IGARSS '98. 1998 IEEE International , Volume: 1 , 6-10 July 1998

28 Ramp response signatures of dielectric targets, especially land mines

Soumya Nag; Peters, L., Jr.;

Geoscience and Remote Sensing Symposium Proceedings, 1998. IGARSS '98. 1998 IEEE International , Volume: 1 , 6-10 July 1998
Pages:213 - 215 vol.1

29 Photoconductive semiconductor switches

Loubriel, G.M.; Zutavern, F.J.; Baca, A.G.; Hjalmarson, H.P.; Plut, T.A.; Helgeson, W.D.; O'Malley, M.W.; Ruebush, M.H.; Brown, D.J.;

Plasma Science, IEEE Transactions on , Volume: 25 , Issue: 2 , April 1997
Pages:124 - 130

30 Ground penetrating radar migration with uncertain parameters

Patterson, A.J.; Tealby, J.M.; Allinson, N.M.;

Geoscience and Remote Sensing Symposium, 1995. IGARSS '95. 'Quantitative Remote Sensing for Science and Applications', International , Volume: 1 , 10-14 July 1995
Pages:27 - 29 vol.1

31 Comparison of measurements of water vapor by a microwave radiometer and Raman lidar

Yong Han; Melfi, S.H.; Snider, J.B.; Ferrare, R.A.; Westwater, E.R.;

Combined Optical-Microwave Earth and Atmosphere Sensing, 1995. Conference Proceedings., Second Topical Symposium on , 3-6 April 1995
Pages:112 - 114